



# AP Calculus BC

## Weeks of 9/29 – 10/3

Due Dates

10/1 – Unit 3.1  
Assignment

10/2 – Derv. Rules  
Circuit

10/3 – Unit 3.2  
Assignment

10/6 – Unit 3.3  
Assignment

Monday: Unit 3.1 – The Chain Rule

LT: I can find derivatives of functions using the chain rule.

In class:

- Bell Ringer
- Review the 3.1 notes
- Independent Practice: pg. 52-53 #1-29 odd
- Exit Ticket

HW: none

Tuesday: Derivative Practice

LT: I can find the derivatives of functions requiring the product, quotient, and chain rules.

In class:

- Bell Ringer
- Class Activity: Circuit - Product, Quotient, and Chain Rules
- Exit Ticket

HW: Watch the 3.2 video

Wednesday: Unit 3.2 – Chain Rule with Exponential and Logarithmic Functions

LT: I can find derivatives of exponential and logarithmic functions using the chain rule.

In class:

- Bell Ringer
- Review the 3.2 notes
- Independent Practice: pg. 57 #1-33 odd
- Exit Ticket

HW: Watch the 3.3 video and take notes

<p><u>Upcoming Assessments</u></p> <p>10/16-10/17 – Unit 3 Test</p>	<p>Thursday: Unit 3.3 – Implicit Differentiation</p>	<p>LT: I can find derivatives of implicitly defined functions.</p> <p>In class:</p> <ul style="list-style-type: none"> <li>• Bell Ringer</li> <li>• Review the 3.3 notes</li> <li>• Independent Practice: pg. 59-61 #1-37 odd</li> <li>• Exit Ticket</li> </ul> <p>HW: Watch the 3.4 video and take notes</p>
	<p>Friday: Unit 3.4 – Related Rates</p>	<p>LT: I can use implicit differentiation to solve problems involving related rates of change.</p> <p>In class:</p> <ul style="list-style-type: none"> <li>• Bell Ringer</li> <li>• Review the 3.4 notes</li> <li>• Class Activity: Related Rates Ladder</li> <li>• Exit Ticket</li> </ul> <p>HW: none</p>

“To not know math is a severe limitation to understanding the world.” – Richard P. Feynman